

COPY

STATE OF ILLINOIS
ILLINOIS COMMERCE COMMISSION

T00-0095

STIPULATED AGREEMENT

This agreement made and entered into, by and between the State of Illinois acting by and through the Illinois Commerce Commission, hereinafter referred to as the "Commission", the Union Pacific Railroad Company, hereinafter referred to as the "Company" and the State of Illinois, Department of Transportation, hereinafter referred to as the "Department".

WITNESSETH:

WHEREAS, it has come to the attention of the Commission that inquiry should be made into the matter of installing remote monitor units at all of the Company's grade crossings located in Illinois which are equipped with automatic warning devices;

WHEREAS, proper investigation has been made of the circumstances surrounding the proposed improvements by a member of the Commission's Transportation Division, Railroad Section staff; and

WHEREAS, the parties are mutually agreeable to accomplish the proposed improvements upon a determination of the Commission by Order.

NOW THEREFORE, in consideration of the premises and of the mutual covenants and agreements as hereinafter contained the parties pray that the Commission enter an Order according to the provisions of Section 18c-7401 of the Illinois Commercial Transportation Law requiring that certain improvements as hereinafter stated be made and that the cost for the proposed improvements be divided among the parties according to law and that in the interest of the statewide traveling public the Grade Crossing Protection Fund of the Motor Fuel Tax Law be required to bear a substantial portion of the cost; To Wit the parties agree as follows:

Section 1 All improvements encompassed by this agreement shall be made in accordance with all applicable State laws, rules, standards, regulations and orders and procedures in general.

Section 2 The parties are of the opinion that the following improvements should be performed in the interest of public safety:

- (a) the installation of remote monitor units at each of the Company's signalized grade crossings listed on Exhibits A1 and A2 attached hereto; the devices are designed to continually monitor the warning system at each location and will electronically report instances of extended commercial power failures, high/low standby battery voltage limits, suspect gate operations and excess warning operation directly to the Company's 24-hour Call Center.

Section 3 The Company has prepared detailed estimates of cost to accomplish the proposed improvements; said estimates are attached as Exhibits B1 and B2.

Section 4 Automatic remote monitor unit initiated system health check messages designed to confirm the integrity of the system will be transmitted daily. The Company will perform all user defined network and remote monitor unit administration functions including

DOCKETED

remote monitor commissioning/decommissioning, message routing definition, and alarm parameter adjustment. The Company's operating costs for the remote monitor units will be based on the number of alarm messages and requested status messages transmitted. The Company cannot guarantee service availability of local cellular telephone companies; however, agreements between the Company and private service companies will have provisions to encourage continued service availability. The Company will notify the Commission if there is a change in the initial 1,053 crossings listed in Exhibits A1 and A2. A final bill with a request for reimbursement for any additional installations, or refunds for fewer locations will be made by the Company depending on the final number of remote monitor units installed.

Section 5 The Company shall upon Order, according to the requirements contained therein, proceed toward the completion of the proposed improvements, accomplishing the work with their own forces or appropriate contracted services and agrees that an appropriate time for the submission of progress reports should be quarterly which shall include the status of expenditures of the total project and percentage of completion of the project; if the project is behind schedule the report must include a brief explanation of the reason(s) for the delay; the Company further agrees that the time for the completion of the proposed improvements should be twenty four (24) months from the date of Commission Order subsequent to this agreement.

Section 6 The parties hereto agree that an equitable division of cost for the proposed improvements should be:

- a) the total cost of the labor needed to install the remote monitor units at the Company's 876 signalized grade crossings located on the local highway system (listed on Exhibit A1 attached) is estimated at \$435,800; 90% of this cost, in an amount not to exceed \$392,220, should be funded on an actual cost basis by the Grade Crossing Protection Fund ("Fund") with the remaining 10% cost borne by the Company; and
- b) the total cost to establish a communication link which will provide for daily system health checks for a period of 10 years at the Company's 876 signalized grade crossings located on the local highway system (listed on Exhibit A1 attached) is estimated at \$394,200; 90% of this cost, in an amount not to exceed \$354,780, should be funded on a lump sum basis by the Grade Crossing Protection Fund ("Fund") with the remaining 10% cost borne by the Company; and
- c) the total cost of the material needed to install remote monitor units at the Company's 876 signalized grade crossings located on the local highway system (listed on Exhibit A1 attached) is estimated at \$1,723,559 and should be funded 90% of the actual cost, in an amount not to exceed \$1,551,203 to the Grade Crossing Protection Fund ("Fund") and all remaining installation and operational costs and all costs of future maintenance should be borne by the Company; and
- d) the total cost of the labor needed to install the remote monitor units at the Company's 177 signalized grade crossings located on the state highway system (listed on Exhibit A2 attached) is estimated at \$88,052; 90% of this cost, in an amount not to exceed \$79,247, should be funded on an actual

cost basis by the Department with the remaining 10% cost borne by the Company; and

- e) the total cost to establish a communication link which will provide for daily system health checks for a period of 10 years at each of the Company's 177 signalized grade crossings located on the state highway system (listed on Exhibit A2 attached) is estimated at \$79,650; 90% of this cost, in an amount not to exceed \$71,685 should be funded on a lump sum basis by the Department with the remaining 10% cost borne by the Company; and
- f) the total cost of the material needed to install remote monitor units at each of the Company's 177 signalized grade crossings located on the state highway system (listed on Exhibit A2 attached) is estimated at \$348,257 and should be funded 90% of the actual cost, in an amount not to exceed \$313,431, to the Department and all remaining installation and operational costs and all costs of future maintenance should be borne by the Company.

Section 7 Special Provisions. All bills for expenditures authorized to be reimbursed from the Grade Crossing Protection Fund for crossings on the local highway system shown on Exhibit A1 attached shall be marked "local" and submitted to the Department as follows:

Illinois Department of Transportation
Engineer of Local Roads and Streets
Darrell McMurray, Bureau Chief, Attention: Hank Chronister, Sr.
Room 205, 2300 South Dirksen Parkway
Springfield, Illinois 62764

Said bills shall list separately the costs of labor, material and communication link. The final bill for expenditures shall be clearly marked "Final Bill". All bills shall be submitted to the Department no later than thirty - six (36) months from the date of Commission Order subsequent to this agreement. Authorization for reimbursement from the Grade Crossing Protection Fund shall expire twelve (12) months after the completion date specified in the Order. The Department shall, at the end of the 36th month from the Commission's Order date, de-obligate all residual funds accountable for installation costs for this project.

All bills for expenditures for crossings on the state highway system shown on Exhibit A2 attached shall be marked "state" and submitted to the Department as follows:

Illinois Department of Transportation
Engineer of Design and Environment
Mike Hine, Bureau Chief, Attention: Cheryl Cathey
Room 330, 2300 South Dirksen Parkway
Springfield, Illinois 62764

Said bills shall list separately the costs of labor, material and communication link. Progress billing will be based upon the work performed during the billing period. Progress payment for material and labor will be based on the actual cost of material purchased and labor performed by the Company during the billing period. Progress payment for the communication link lump sum cost will be based upon the proportionate amount of "state" and "local" crossings completed by the Company during

the billing period.

The Company shall file its initial progress report within three (3) months from the date of Commission Order subsequent to this agreement with the Director of Processing and Information of the Commission's Transportation Division. The report shall include the name, title, mailing address, phone number and facsimile number of the employee responsible for management of this project.

The amount to be paid by the Fund shall not exceed \$1,149,101 until further Order of the Commission subsequent to the original Order. It is the intent of the Commission to enter further Order(s) increasing the Fund amount to the maximum \$2,298,203 upon written request of the Company when needed. This additional Fund money will be made available upon the Company showing need for reimbursement for remaining improvements to be performed pursuant to the original Order.

Section 8 This agreement shall be binding upon the parties hereto, their successors or assigns. Upon execution of this agreement by all parties, the Commission shall enter an appropriate Order, within 60 days accepting or rejecting such stipulation according to the provisions contained herein.

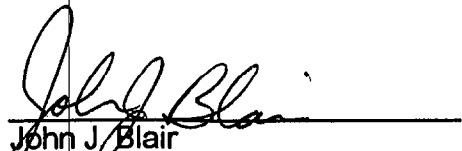
In Witness Whereof, the parties have caused this agreement to be executed by their duly authorized officers, as of the dates indicated herein.

Executed by the Commission this 22nd day of August, 2000.



Michael E. Stead
Rail Safety Program Administrator

Attest:



John J. Blair
Senior Railroad Safety Specialist
Transportation Division

Illinois Commerce Commission Stipulated Agreement No. 9-46 concerning installation of remote monitor units at Union Pacific Railroad Company signalized grade crossings located in Illinois.

Executed by the Company this 29 day of August 2000.



By: Thomas J. O'Geo

CHIEF ENGINEER

Illinois Commerce Commission Stipulated Agreement No. 946 concerning installation of remote monitor units at Union Pacific Railroad Company signalized grade crossings located in Illinois.

Executed by the Department this 5TH day of OCTOBER, 2000.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

By James C. Slifer
Director of Highways

DATE: 2000-08-17

ESTIMATE OF MATERIAL AND FORCE ACCOUNT WORK
BY THE
UNION PACIFIC RAILROAD

EXHIBIT B1
(LOCAL XINGS)

DESCRIPTION OF WORK:

INSTALL CELLULAR REMOTE TRANSCEIVER UNITS AT 876 UNION PACIFIC GRADE CROSSINGS IN THE STATE OF ILLINOIS. ALSO INCLUDED IN THIS ESTIMATE IS THE TOTAL COST OF A COMMUNICATIONS LINK FOR THE 876 CROSSINGS.

COST DISTRIBUTED AS FOLLOWS:

SIGNAL - STATE OF ILLINOIS - 90% / UNION PACIFIC - 10%

PID: 36960 AWO: MP, SUBDIV: 156.80, SPRINGFLD
SERVICE UNIT: 04 CITY: ILLINOIS RTU STATE: IL

DESCRIPTION	QTY	UNIT	LABOR	MATERIAL	RECOLL	UPRR	TOTAL
ENGINEERING WORK							
ENGINEERING			59727		53754	5973	59727
LABOR ADDITIVE			71673		64505	7168	71673
TOTAL ENGINEERING			131400		118259	13141	131400
SIGNAL WORK							
MATL STORE EXPENSE				66155	59540	6615	66155
SIGNAL	136866		1323118	1313985		145999	1459984
BILL PREP	1497			1348		149	1497
COMMUNICATIONS LINK			394200	354780		39420	394200
EQUIPMENT RENTAL			70080	63072		7008	70080
FOREIGN LINE FREIGHT			26462	23815		2647	26462
LABOR ADDITIVE	166037			149433		16604	166037
PERSONAL EXPENSES			83220	74898		8322	83220
SALES TAX			82694	74424		8270	82694
TRANSCEIVER UNIT			43800	39420		4380	43800
USAGE EQUIPMENT			28030	25227		2803	28030
TOTAL SIGNAL	167534		2117759	2179942		242217	2422159
LABOR/MATERIAL EXPENSE	435800		2117759				
RECOLLECTIBLE/UPRR EXPENSE					2298201	255358	
ESTIMATED PROJECT COST							2553559
EXISTING REUSEABLE MATERIAL CREDIT					0		
SALVAGE NONUSEABLE MATERIAL CREDIT					0		

RECOLLECTIBLE LESS CREDITS

THE ABOVE FIGURES ARE ESTIMATES ONLY AND SUBJECT TO FLUCTUATION. IN THE EVENT OF AN INCREASE OR DECREASE IN THE COST OR QUANTITY OF MATERIAL OR LABOR REQUIRED, UPRR WILL BILL FOR ACTUAL CONSTRUCTION COSTS AT THE CURRENT EFFECTIVE RATE.

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PAGE 01 MORE

WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES

EST START: 01-01-01

EST COMP: 12-31-01

PROJ NO: 36960

A.W.O. NO:

W.O. NO:

S.I. NO: 00EM10

STATE: IL

VAL SEC: 11012

RAILROAD: UPRR CO.

LOCATION: LOCAL HIWAYS ST OF ILLINOIS

DEPARTMENT: ENGINEERING SERVICES

SERVICE UNIT: 04

INSTALL CELLULAR REMOTE TRANSCEIVER UNITS AT 876 UNION PACIFIC GRADE
CROSSINGS IN THE STATE OF ILLINOIS. ALSO INCLUDED IN THIS ESTIMATE IS
THE TOTAL COST OF A COMMUNICATIONS LINK FOR THE 876 CROSSINGS.
COST DISTRIBUTED AS FOLLOWS:
SIGNAL - STATE OF ILLINOIS - 90% / UNION PACIFIC - 10%

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WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES

EST START: 01-01-01

PROJ NO: 36960

EST COMP: 12-31-01

A.W.O. NO:

W.O. NO:

RAILROAD: UPRR CO.

B.I. NO: 00EN10

LOCATION: LOCAL HIWAYS ST OF ILLINOIS

STATE: IL

DEPARTMENT: ENGINEERING SERVICES

VAL SEC: 1101Z

SCOPE OF WORK

PROJECT NUMBER	VAL SEC	STATE	M.P. FROM	M.P. TO	SEGMENT	JOINT FACILITY
36960	1101Z	IL	156.80	0.00	2913	

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WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES

EST START: 01-01-01

EST COMP: 12-31-01

PROJ NO: 36960

A.W.O. NO:

W.O. NO:

B.I. NO: 00EN10

STATE: IL

VAL SEC: 11012

RAILROAD: UPRR CO.

LOCATION: LOCAL HIWAYS ST OF ILLINOIS

DEPARTMENT: ENGINEERING SERVICES

LABOR PLAN

GANG TYPE	GANG TYPE DESCRIPTION	GANG NUMBER NBR IN GANG	WORK CODE	WORK DESCRIPTION	GANG DAYS ALLOWED	DIRECT LABOR \$
SIG001	ONE SIGNALMAN	0 1	30004	SIG GENERAL	876.00	136866.24
TOTAL						136,866.24

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WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES

EST START: 01-01-01

PROJ NO: 36960

EST COMP: 12-31-01

A.W.O. NO:

W.O. NO:

RAILROAD: UPRR CO.

B.I. NO: 00EN10

LOCATION: LOCAL HIWAYS ST OF ILLINOIS

STATE: IL

DEPARTMENT: ENGINEERING SERVICES

VAL SEC: 1101Z

----- STOCK MATERIAL PLAN -----

ITEM NUMBER	ITEM DESCRIPTION	UNIT COST	QTY	UN	DIRECT MATL #
09011240	CABLE TIE, NYLON 1 1/8" MAX. DIA	0.06	17520	EA	1051
09054300	RELAY, TAB 869 KRP11DM12V. SW.HTR.	10.68	876	EA	9356
09054360	RELAY, GEN.PURPOSE 120V. TAB 856	12.96	438	EA	5676
09057650	SDCKET, P-B 27E122 TAB 836A & 856	2.62	1314	EA	3443
09066900	TERMINAL, SPADE, 10-12 WIRE, #8 STUD	0.34	26280	EA	8935
09224700	TERMINAL, #6 RED SPADE 22-16	0.09	17520	EA	1577
09260350	TERMINAL, #10 BLUE SPADE	0.07	8760	EA	613
09915610	WIRE #6 AWG 1 COND COPPER, STRAN	0.37	17520	LF	6482
09930550	WIRE #10 AWG 1 COND COPPER, STRAN	0.14	17520	LF	2453
09932310	WIRE #10 AWG 1 COND COPPER, TWIST	0.32	8760	LF	2803
09960090	WIRE #16 AWG 1 COND COPPER, STRAN	0.07	13140	LF	920
09966730	WIRE #18 AWG 1 COND COPPER, STRAN	0.08	13140	LF	1051
35058470	SEALER, SILICONE RUBBER	1.90	438	EA	832
52000920	SURGE PROTECTOR SP19-2A TAB 586	68.53	876	EA	60832
52001370	SURGE PROTECTOR SP20-2A TAB 585	70.12	175	EA	12271
52019450	MODULE, AC INPUT	78.00	438	EA	34164
52019560	EQUALIZER, H.D. TAB 583	9.22	876	EA	8077
52019600	EXTERNAL ANALOG MODULE. FOR CRTU.	90.00	438	EA	39420
52028420	LIGHTNING ARRESTOR, CLR-COMM TAB 3	7.01	3504	EA	24563
52070010	TERMINAL, #12-10 WIRE, RING TONGUE	0.08	8760	EA	701
52071600	TERMINAL, #20-16 WIRE, RING TONGUE	0.06	10836	EA	650
52072200	TERMINAL BLOCK, SIGNAL 2 POST BAK	2.25	2190	EA	4928
52072510	TERMINAL BLOCK, SIGNAL 3 POST TEST	6.29	876	EA	5510
52074550	TEST LINK, INSULATED ASSEMBLY TAB	0.67	876	EA	587
52079550	WIRE TAG, PLASTIC - WHITE	0.12	17520	EA	2102
52079560	MARKING PEN(FOR WHITE TAG)	1.94	44	EA	85
52100450	CONTACT ASSEMBLY, GATE DOWN, COMP	46.50	350	EA	16275
52842220	DIODE JEDEC NUMBER 1N4004	0.03	5256	EA	158
52973600	CRTU	1200.00	877	EA	1051200
53665340	070633-YX CONTACT ASSY, COMPLETE	49.15	350	EA	17203

TOTAL

1,323,118

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WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES

EST START: 01-01-01

EST COMP: 12-31-01

PROJ NO: 36960

A.W.O. NO:

W.O. NO:

B.I. NO: 00EM10

STATE: IL

VAL SEC: 11012

RAILROAD: UPRR CO.

LOCATION: LOCAL HIWAYS ST OF ILLINOIS

DEPARTMENT: ENGINEERING SERVICES

JOB NO.	ACCT NO.	DESCRIPTION	QTY	UNIT	COST	LABOR	MATERIAL	TOTAL P.I.	CHRGABLE O.E.	TO OTHER
1	027	VAL SEC: 11012								
		NON JOINT FACILITY								
		MAIN LINE								
		ENGINEERING				59727				
		LABOR ADDITIVE 120%				71673				
		JOB TOTAL				131400		13140		118260
6	027	SIGNAL					1323118			
		SIG GENERAL W/C 30004	876	IND		136866				
		BILL PREP				1497				
		EQUIPMENT RENTAL					70080			
		PERSONAL EXPENSES					83220			
		FOREIGN LINE FREIGHT					26462			
		TRANSPORTATION CHARGES					43800			
		USAGE EQUIPMENT					28030			
		MATL STORE EXPENSE					66155			
		SALES TAX					82694			
		LABOR ADDITIVE 120%				166037				
		JOB TOTAL				304400	1723559	202795		1825164
7	709	CELLULAR REMOTE								
		TRANSCIEIVER UNIT								
		COMMUNICATIONS LINK					394200			
		JOB TOTAL					394200	39420		354780
		PROJECT TOTALS				435800	2117759	255355		2298204

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PROJ NO: 36960

A.M.O. NO:

W.D. NO:

B.I. NO: 00EN10

STATE: IL

VAL SEC: 1101Z

ESTIMATED BY: ESRV312	CIDN: 92341 00	TOTAL ESTIMATED EXPENITURES:	\$2,553,559
			=====
DATE: 08-17-2000	APPROVED BY:	APPROVED BY:	

WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES

EST START: 01-01-01

EST COMP: 12-31-01

RAILROAD: UPRR CO.

LOCATION: LOCAL HWAYS ST OF ILLINOIS

DEPARTMENT: ENGINEERING SERVICES

PROJ NO: 36960

A.W.O. NO:

W.O. NO:

B.I. NO: 00EN10

STATE: IL

VAL SEC: 1101Z

=====

ESTIMATED CREDIT TO 'RESERVE FOR ROAD PROPERTY TO BE RETIRED AND REPLACED'	\$	_____
ESTIMATED CREDIT TO 'RESERVE PROPERTY RETIRED AND NOT TO BE REPLACED'	\$	_____
ESTIMATED CREDIT TO 'EQUIPMENT RETIRED'	\$	_____
ESTIMATED CREDIT TO	\$	_____

=====

ESTIMATED BY: ESRV312 CID#: 92341 000

DATE: 08-17-2000

APPROVED BY:

APPROVED BY:

DATE: 2000-08-17

ESTIMATE OF MATERIAL AND FORCE ACCOUNT WORK
BY THE
UNION PACIFIC RAILROAD

EXHIBIT B2
(STATE XINGS)

DESCRIPTION OF WORK:

INSTALL CELLULAR REMOTE TRANCEIVER UNITS AT 177 UNION PACIFIC GRADE
CROSSINGS IN THE STATE OF ILLINOIS. ALSO INCLUDED IN THIS ESTIMATE IS
THE TOTAL COST OF A COMMUNICATIONS LINK FOR THE 177 CROSSINGS.

COST DISTRIBUTED AS FOLLOWS:

SIGNAL - STATE OF ILLINOIS - 90% / UNION PACIFIC 10%

PID: 36931 AWO: MP, SUBDIV: 156.80, SPRINGFLD
SERVICE UNIT: 04 CITY: ILLINOIS RTU STATE: IL

DESCRIPTION	QTY	UNIT	LABOR	MATERIAL	RECOLL	UPRR	TOTAL
ENGINEERING WORK							
ENGINEERING			12068		10861	1207	12068
LABOR ADDITIVE			14481		13033	1448	14481
TOTAL ENGINEERING			26549		23894	2655	26549
SIGNAL WORK							
MATL STORE EXPENSE				13371	12034	1337	13371
SIGNAL	27654		267434	265579	29509	295088	295088
BILL PREP	302			271	31	302	302
COMMUNICATION LINK			79650	71685	7965	79650	79650
EQUIPMENT RENTAL			14160	12744	1416	14160	14160
FOREIGN LINE FREIGHT			5348	4813	535	5348	5348
LABOR ADDITIVE	33547			30193	3354	33547	33547
PERSONAL EXPENSES			16720	15048	1672	16720	16720
SALES TAX			16714	15042	1672	16714	16714
TRANSCIEVER UNIT			8850	7965	885	8850	8850
USAGE EQUIPMENT			5660	5094	566	5660	5660
TOTAL SIGNAL	33849		427907	440556	48953	489410	489410
LABOR/MATERIAL EXPENSE	88052		427907				
RECOLLECTIBLE/UPRR EXPENSE				464362	51597		
ESTIMATED PROJECT COST							515959
EXISTING REUSEABLE MATERIAL CREDIT					0		
SALVAGE NONUSEABLE MATERIAL CREDIT					0		

RECOLLECTIBLE LESS CREDITS

THE ABOVE FIGURES ARE ESTIMATES ONLY AND SUBJECT TO FLUCTUATION. IN THE EVENT OF
AN INCREASE OR DECREASE IN THE COST OR QUANTITY OF MATERIAL OR LABOR REQUIRED,
UPRR WILL BILL FOR ACTUAL CONSTRUCTION COSTS AT THE CURRENT EFFECTIVE RATE.

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WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES

EST START: 01-01-01

PROJ NO: 36931

EST COMP: 12-31-01

A.W.O. NO:

W.O. NO:

RAILROAD: UPRR CO.

B.I. NO: 00EN10

LOCATION: STATE HIWAYS ST OF ILLINOIS

STATE: IL

DEPARTMENT: ENGINEERING SERVICES

SERVICE UNIT: 04

VAL SEC: 1101Z

INSTALL CELLULAR REMOTE TRANCEIVER UNITS AT 177 UNION PACIFIC GRADE
CROSSINGS IN THE STATE OF ILLINOIS. ALSO INCLUDED IN THIS ESTIMATE IS
THE TOTAL COST OF A COMMUNICATIONS LINK FOR THE 177 CROSSINGS.
COST DISTRIBUTED AS FOLLOWS:
SIGNAL - STATE OF ILLINOIS - 90% / UNION PACIFIC 10%

WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES

EST START: 01-01-01
 EST COMP: 12-31-01

PROJ NO: 36931
 A.W.O. NO:
 W.O. NO:
 B.I. NO: 00EN10
 STATE: IL
 VAL SEC: 11012

RAILROAD: UPRR CO.
 LOCATION: STATE HIWAYS ST OF ILLINOIS
 DEPARTMENT: ENGINEERING SERVICES

SCOPE OF WORK

PROJECT NUMBER	VAL SEC	STATE	M.P. FROM	M.P. TO	SEGMENT	JOINT FACILITY
36931	11012	IL	156.80	0.00	2913	

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WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES

EST START: 01-01-01

PROJ NO: 36931

EST COMP: 12-31-01

A.W.O. NO:

W.O. NO:

RAILROAD: UPRR CO.

B.I. NO: 00EN10

LOCATION: STATE HWAYS ST OF ILLINOIS

STATE: IL

DEPARTMENT: ENGINEERING SERVICES

VAL SEC: 1101Z

LABOR PLAN

GANG TYPE	GANG TYPE DESCRIPTION	GANG NUMBER NBR IN GANG	WORK CODE	WORK DESCRIPTION	GANG DAYS ALLOWED	DIRECT LABOR \$
SIG001	ONE SIGNALMAN	0	1	30004 SIG GENERAL	177.00	27654.48
TOTAL						27,654.48

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WORK ORDER AUTHORIZATION-DETAIL OF ESTIMATED EXPENDITURES

EST START: 01-01-01

PROJ NO: 36931

EST COMP: 12-31-01

A.W.O. NO:

W.O. NO:

RAILROAD: UPRR CO.

B.I. NO: 00EN10

LOCATION: STATE HIWAYS ST OF ILLINOIS

STATE: IL

DEPARTMENT: ENGINEERING SERVICES

VAL SEC: 1101Z

----- STOCK MATERIAL PLAN -----

ITEM NUMBER	ITEM DESCRIPTION	UNIT COST	QTY	UM	DIRECT MATL \$
09011240	CABLE TIE, NYLON 1 1/8" MAX. DIA	0.06	3540	EA	212
09054300	RELAY,TAB 069 KRP11DN12V. SW.HTR.	10.68	177	EA	1890
09054360	RELAY, GEN.PURPOSE 120V. TAB 056	12.96	89	EA	1153
09057650	SOCKET,P-B 27E122 TAB 036A & 056	2.62	266	EA	697
09066900	TERMINAL,SPADE,10-12 WIRE,#8 STUD	0.34	5310	EA	1805
09224700	TERMINAL,#6 RED SPADE 22-16	0.09	3540	EA	319
09260350	TERMINAL,#10 BLUE SPADE	0.07	1770	EA	124
09915610	WIRE #6 AWG 1 COND COPPER, STRAN	0.37	3540	LF	1310
09930550	WIRE #10 AWG 1 COND COPPER, STRAN	0.14	3540	LF	496
09932310	WIRE #10 AWG 1 COND COPPER, TWIST	0.32	1770	LF	566
09960090	WIRE #16 AWG 1 COND COPPER, STRAN	0.07	2655	LF	186
09966730	WIRE #18 AWG 1 COND COPPER, STRAN	0.08	2655	LF	212
35058470	SEALER, SILICONE RUBBER	1.90	89	EA	169
52000920	SURGE PROTECTOR SP19-2A TAB 586	68.53	177	EA	12130
52001370	SURGE PROTECTOR SP20-2A TAB 585	70.12	35	EA	2454
52019450	MODULE, AC INPUT	78.00	89	EA	6942
52019560	EQUALIZER, H.D. TAB 583	9.22	177	EA	1632
52019600	EXTERNAL ANALOG MODULE. FOR CRTU.	90.00	89	EA	8010
52028420	LIGHTNING ARRESTOR,CLR-COMM TAB 3	7.01	708	EA	4963
52070010	TERMINAL,#12-10 WIRE,RING TONGUE	0.08	1770	EA	142
52071600	TERMINAL,#20-16 WIRE,RING TONGUE	0.06	2124	EA	127
52072280	TERMINAL BLOCK, SIGNAL 2 POST BAK	2.25	443	EA	997
52072510	TERMINAL BLOCK,SIGNAL 3 POST TEST	6.29	177	EA	1113
52074550	TEST LINK, INSULATED ASSEMBLY TAB	0.67	177	EA	119
52079550	WIRE TAG, PLASTIC - WHITE	0.12	3540	EA	425
52079560	MARKING PEN(FOR WHITE TAG)	1.94	9	EA	17
52100450	CONTACT ASSEMBLY, GATE DOWN, COMP	46.50	71	EA	3302
52842220	DIODE JEDEC NUMBER 1N4004	0.03	1062	EA	32
52973600	CRTU	1200.00	177	EA	212400
53665340	070633-YX CONTACT ASSY, COMPLETE	49.15	71	EA	3490

TOTAL

267,434

